**Những tiến bộ mới trong công nghệ tim mạch**

Tim mạch là bệnh lý xuất hiện âm thầm nhưng để lại nhiều hậu quả nghiêm trọng đối với tính mạng. Trong những năm trở lại đây, tỷ lệ tử vong do các bệnh tim mạch ngày một tăng ở các nước đang phát triển. Vậy bệnh tim mạch là gì? Dấu hiệu sớm nhất và cách phòng ngừa như thế nào?

Để hiểu rõ hơn Cục Thông tin KH&CN quốc gia xin giới thiệu một số bài nghiên cứu đã được xuất bản chính thức và các bài viết được chấp nhận đăng trên những cơ sở dữ liệu học thuật chính thống.



**1. Sciencedirect**

1. Cardiovascular assessment of candidates for liver transplant  
Journal of Liver Transplantation 14 April 2023 Volume 10 (Cover date: May 2023) Article 100153  
Manuel Lozano, Miguel Molina, Juan C. Rodríguez-Sanjuán  
<https://www.sciencedirect.com/science/article/pii/S2666967623000168/pdfft?md5=17c46f4fcae500bb55b9ecc7226d9310&pid=1-s2.0-S2666967623000168-main.pdf>

2. The role of aldosterone and ideal cardiovascular health in incident cardiovascular disease: The Jackson heart study  
American Journal of Preventive Cardiology 3 April 2023 Volume 14 (Cover date: June 2023) Article 100494  
Bjorn Kluwe, Neal Pohlman, Joshua J. Joseph  
<https://www.sciencedirect.com/science/article/pii/S2666667723000351/pdfft?md5=488b2825541b396a408b07dc29ccebee&pid=1-s2.0-S2666667723000351-main.pdf>

3. High miR-126-3p levels associated with cardiovascular events in a general population  
European Journal of Internal Medicine Available online 18 April 2023 In press, corrected proof  
Olga Martinez-Arroyo, Ana Ortega, Raquel Cortes  
<https://www.sciencedirect.com/science/article/pii/S0953620523001255/pdfft?md5=7985eee4d4ebdd283428b4b0ee2a47ba&pid=1-s2.0-S0953620523001255-main.pdf>

4. Cardiovascular risk and the COVID-19 pandemic: a retrospective observational study in a population of healthcare professionals  
Nutrition, Metabolism and Cardiovascular Diseases Available online 15 April 2023 In press, journal pre-proof  
G. Solfanelli, D. Giaccio, A. Battistoni  
<https://www.sciencedirect.com/science/article/pii/S0939475323001515/pdfft?md5=3a07d967c6f5f283c6ad65eef8f582b2&pid=1-s2.0-S0939475323001515-main.pdf>

5. A New Score for Improving Cardiovascular Risk Prediction and Prevention  
Nutrition, Metabolism and Cardiovascular Diseases Available online 3 May 2023 In press, journal pre-proof  
Rosaria Del Giorno, Maud Reveilhac, Roger Darioli  
<https://www.sciencedirect.com/science/article/pii/S0939475323001667/pdfft?md5=37dc40def5f0a55b4b401bada84b8d0a&pid=1-s2.0-S0939475323001667-main.pdf>

6. SGLT2 inhibitors for prevention of primary and secondary cardiovascular outcomes: A meta-analysis of randomized controlled trials  
Heart & Lung 16 February 2023 Volume 59 (Cover date: May–June 2023) Pages 109-116  
Guijun He, Guosu Yang, Zhen Zhang  
<https://www.sciencedirect.com/science/article/pii/S0147956323000365/pdfft?md5=acf25a6cdf3740c55e641501573919e7&pid=1-s2.0-S0147956323000365-main.pdf>  
  
7. Polypill Therapy in Cardiovascular Disease: A Meta- analysis of Randomized Controlled Trials  
Current Problems in Cardiology Available online 11 April 2023 In press, journal pre-proof Article 101735  
Hussam Al Hennawi, Muhammad Talal Ashraf, Abhinav Nair  
<https://www.sciencedirect.com/science/article/pii/S0146280623001524/pdfft?md5=fc2806d22709b3d9273dace5f5ecd48a&pid=1-s2.0-S0146280623001524-main.pdf>

8. Acylations in cardiovascular biology and diseases, what's beyond acetylation  
eBioMedicine 28 December 2022 Volume 87 (Cover date: January 2023) Article 104418  
Xin Sun, Yang Zhang, Xiaoqiang Tang  
<https://www.sciencedirect.com/science/article/pii/S2352396422006004/pdfft?md5=b2cffe7d8f5d47787e3467b8bf8adf5b&pid=1-s2.0-S2352396422006004-main.pdf>

9. Excess Mortality for Abdominal Aortic Aneurysms and the Potential of Strict Implementation of Cardiovascular Risk Management: A Multifaceted Study Integrating Meta-Analysis, National Registry, and PHAST and TEDY Trial Data  
European Journal of Vascular and Endovascular Surgery 29 November 2022 Volume 65, Issue 3 (Cover date: March 2023) Pages 348-357  
Stephanie M. Tomee, Ruth M. A. Bulder, Jan H. Lindeman  
<https://www.sciencedirect.com/science/article/pii/S107858842200805X/pdfft?md5=a4f1b8c6511770d10869eb24b5c535b3&pid=1-s2.0-S107858842200805X-main.pdf>

10. Endothelial dysfunction predicts bleeding and cardiovascular death in acute coronary syndrome  
International Journal of Cardiology 2 February 2023 Volume 376 (Cover date: 1 April 2023) Pages 11-17  
Tomohiro Yoshii, Yasushi Matsuzawa, Kazuo Kimura  
<https://www.sciencedirect.com/science/article/pii/S0167527323001213/pdfft?md5=f10e4f4feb5b8ed9f06ae9774ec2305e&pid=1-s2.0-S0167527323001213-main.pdf>

11. Cardiovascular risk indicators among depressed persons: A special case?  
Journal of Affective Disorders 24 February 2023 Volume 329 (Cover date: 15 May 2023) Pages 335-342  
Elisabeth M. van Zutphen, Almar A. L. Kok, Aartjan T. F. Beekman  
<https://www.sciencedirect.com/science/article/pii/S0165032723002550/pdfft?md5=c7b53a72a68f35bca7a88252f6cbf46d&pid=1-s2.0-S0165032723002550-main.pdf>

12. Diabetes and cardiovascular risk according to sex: An overview of epidemiological data from the early Framingham reports to the cardiovascular outcomes trials  
Annales d'Endocrinologie 30 September 2022 Volume 84, Issue 1 (Cover date: February 2023) Pages 57-68  
Abdallah Al-Salameh, Nacera El bouzegaoui, Marie Saraval-Gross  
<https://www.sciencedirect.com/science/article/pii/S0003426622008393/pdfft?md5=86bf84d7ec20c239801cbc853dcb53b7&pid=1-s2.0-S0003426622008393-main.pdf>

13. Cancer Treatment-Related Cardiovascular Toxicity in Gynecologic Malignancies: JACC: CardioOncology State-of-the-Art Review  
JACC: CardioOncology 18 April 2023 Volume 5, Issue 2 (Cover date: April 2023) Pages 159-173  
Susmita Parashar, Nausheen Akhter, Susan Dent  
<https://www.sciencedirect.com/science/article/pii/S2666087323000674/pdfft?md5=64bb2aac8b77ea6cb305e99ddd80c84f&pid=1-s2.0-S2666087323000674-main.pdf>

14. Cardiovascular Disease Risk Estimation for Transgender and Gender-Diverse Patients: Cross-Sectional Analysis of Baseline Data From the LITE Plus Cohort Study  
AJPM Focus 25 March 2023 Volume 2, Issue 3 (Cover date: September 2023) Article 100096  
Tonia C. Poteat, Ashleigh J. Rich, Carl G. Streed  
<https://www.sciencedirect.com/science/article/pii/S2773065423000330/pdfft?md5=6364edf6ce62135c628b07903900a873&pid=1-s2.0-S2773065423000330-main.pdf>

15. Social media use by cardiovascular healthcare professionals in Portugal  
Revista Portuguesa de Cardiologia 8 February 2023 Volume 42, Issue 4 (Cover date: April 2023) Pages 349-357  
Miguel Esteves-Pereira, Daniel Ferreira, Ricardo Ladeiras-Lopes  
<https://www.sciencedirect.com/science/article/pii/S0870255123001026/pdfft?md5=a0d2365e2bd2119c2ccd3955793c63ee&pid=1-s2.0-S0870255123001026-main.pdf>

16. Safety and effectiveness of nano composite hydrogel stent implantation in the treatment of coronary cardiovascular disease: A preclinical study  
Preventive Medicine 29 April 2023 Volume 172 (Cover date: July 2023) Article 107524  
En-bo Zhan, Hong-wei Du  
<https://www.sciencedirect.com/science/article/pii/S0091743523001044/pdfft?md5=29a960faca4bd70f361d4c5c89ca21ca&pid=1-s2.0-S0091743523001044-main.pdf>

17. The Burden of Uncontrolled Cardiovascular Risk Factors in Men With Prostate Cancer: A RADICAL-PC Analysis  
JACC: CardioOncology 17 January 2023 Volume 5, Issue 1 (Cover date: February 2023) Pages 70-81  
Harry Klimis, Jehonathan H. Pinthus, Darryl P. Leong  
<https://www.sciencedirect.com/science/article/pii/S2666087322005166/pdfft?md5=dbde5c42dca53c5c2dd7e414fc081972&pid=1-s2.0-S2666087322005166-main.pdf>

18. Association of branched-chain amino acids with mortality-the Ludwigshafen Risk and Cardiovascular Health (LURIC) study  
iScience 21 March 2023 Volume 26, Issue 4 (Cover date: 21 April 2023) Article 106459  
Angela P. Moissl, Stefan Lorkowski, Andreas Tomaschitz  
<https://www.sciencedirect.com/science/article/pii/S2589004223005369/pdfft?md5=0ada5f91fb318cfdd6bb0286da841352&pid=1-s2.0-S2589004223005369-main.pdf>

19. LDL-cholesterol control in the primary prevention of cardiovascular diseases: An expert opinion for clinicians and health professionals  
Nutrition, Metabolism and Cardiovascular Diseases 14 October 2022 Volume 33, Issue 2 (Cover date: February 2023) Pages 245-257  
Andrea Poli, Alberico L. Catapano, Franca Marangoni  
<https://www.sciencedirect.com/science/article/pii/S0939475322004136/pdfft?md5=8471a4e90b7b31dc8d2aaf78a46027d5&pid=1-s2.0-S0939475322004136-main.pdf>

20. Association between cardiovascular risk and coronavirus disease 2019: findings from 2021 National Health Interview Survey  
Annals of Epidemiology 23 March 2023 Volume 82 (Cover date: June 2023) Pages 1-7  
Longjian Liu, Nathalie S. May, Leslie A. McClure  
<https://www.sciencedirect.com/science/article/pii/S1047279723000546/pdfft?md5=fd93a133fd6d1e766b303bc51c89905f&pid=1-s2.0-S1047279723000546-main.pdf>

21. Race and Ethnicity with Atherosclerotic Cardiovascular Disease Outcomes within a Universal Healthcare System: Insights from the CARTaGENE study  
Canadian Journal of Cardiology Available online 11 March 2023 In press, journal pre-proof  
Marc-André d’Entremont, Dennis KoThao Huynh  
<https://www.sciencedirect.com/science/article/pii/S0828282X23002131/pdfft?md5=7869993d1dea4d19fb4af2809d27c890&pid=1-s2.0-S0828282X23002131-main.pdf>

22. The relationship between social isolation, social support, and loneliness with cardiovascular disease and shared risk factors: A narrative review  
Archives of Gerontology and Geriatrics 23 March 2023 Volume 111 (Cover date: August 2023) Article 105008  
Achamyeleh Birhanu Teshale, Htet Lin Htun, Rosanne Freak-Poli  
<https://www.sciencedirect.com/science/article/pii/S0167494323000870/pdfft?md5=770d8af26cc1f0861b0aad5693f545a2&pid=1-s2.0-S0167494323000870-main.pdf>

23. Discordance between lipoprotein (a) and LDL-cholesterol levels in cardiovascular risk assessment in apparently healthy subjects  
Nutrition, Metabolism and Cardiovascular Diseases Available online 14 April 2023 In press, journal pre-proof  
Katarzyna Bergmann, Anna Stefanska, Grazyna Sypniewska  
<https://www.sciencedirect.com/science/article/pii/S0939475323001576/pdfft?md5=d712e3f7030364bbf9a45dc2c3a5a33e&pid=1-s2.0-S0939475323001576-main.pdf>

24. Association between cannabis use and ten-year estimated atherosclerotic cardiovascular disease risk in a middle-aged population survey  
European Journal of Internal Medicine 27 February 2023 Volume 111 (Cover date: May 2023) Pages 69-76  
Alexandre Vallée  
<https://www.sciencedirect.com/science/article/pii/S0953620523000602/pdfft?md5=ac3d170d1197f42946e5babcd8c72bf2&pid=1-s2.0-S0953620523000602-main.pdf>

25. Association of anxiety or depression with risk of recurrent cardiovascular events and death after myocardial infarction: A nationwide registry study  
International Journal of Cardiology 18 April 2023 Volume 381 (Cover date: 15 June 2023) Pages 120-127  
Oskar Flygare, Julia Boberg, John Wallert  
<https://www.sciencedirect.com/science/article/pii/S0167527323005764/pdfft?md5=b4ed901fd819abd94088e1bdd1afeb7b&pid=1-s2.0-S0167527323005764-main.pdf>

26. Cardiovascular risk factors and adherence to Cardiovascular Protection Practice Guidelines in adults with type 1 diabetes: A BETTER Registry cross-sectional analysis  
Canadian Journal of Diabetes Available online 12 April 2023 In press, journal pre-proof  
Houssein Madar, Marie-Laure Lalanne-Mistrih, Rémi Rabasa-Lhoret  
<https://www.sciencedirect.com/science/article/pii/S1499267123000692/pdfft?md5=728585b095cc778117d485c6ef5d35b4&pid=1-s2.0-S1499267123000692-main.pdf>

27. The E3 ubiquitin ligases regulate inflammation in cardiovascular diseases  
Seminars in Cell & Developmental Biology Available online 3 March 2023 In press, corrected proof  
Xiao Chen, Jia Ma, Zhiting Wang  
<https://www.sciencedirect.com/science/article/pii/S1084952123000356/pdfft?md5=4e23429fa2f1b745d39a5f4bfb1474ca&pid=1-s2.0-S1084952123000356-main.pdf>

28. Advanced glycation end products are associated with cardiovascular risk in the Mexican population  
Nutrition, Metabolism and Cardiovascular Diseases 5 January 2023 Volume 33, Issue 4 (Cover date: April 2023) Pages 826-834  
Karina Robles-Rivera, Berenice Rivera-Paredez, Jorge Salmerón  
<https://www.sciencedirect.com/science/article/pii/S0939475323000030/pdfft?md5=6b965f9e7793af8a936996a4b9797a8f&pid=1-s2.0-S0939475323000030-main.pdf>

29. The role of adiponectin in cardiovascular disease  
Cardiovascular Pathology 10 January 2023 Volume 64 (Cover date: May–June 2023) Article 107514  
Jin Peng, Qian Chen, Chuncao Wu  
<https://www.sciencedirect.com/science/article/pii/S1054880722001077/pdfft?md5=6e51c5ce8b3eedd49eee052716960766&pid=1-s2.0-S1054880722001077-main.pdf>

30. Cardiovascular manifestations of monkeypox virus outbreak: An overview of the reported cases  
Heart & Lung 3 February 2023 Volume 59 (Cover date: May–June 2023) Pages 67-72  
Amr Ehab El-Qushayri, Abdelrahman G. Tawfik, Hani Mahmoud-Elsayed  
<https://www.sciencedirect.com/science/article/pii/S0147956323000122/pdfft?md5=2e9a5ba63f14001d3b672c76a15c0adb&pid=1-s2.0-S0147956323000122-main.pdf>

31. Depression and cardiovascular diseases  
Journal of Cardiology 18 November 2022 Volume 81, Issue 5 (Cover date: May 2023) Pages 485-490  
Tsuyoshi Shiga  
<https://www.sciencedirect.com/science/article/pii/S0914508722002817/pdfft?md5=014794a909ed51ace00c7c19577eb5e8&pid=1-s2.0-S0914508722002817-main.pdf>

32. Application of Life’s Essential 8 to assess cardiovascular health during early childhood  
Annals of Epidemiology 10 February 2023 Volume 80 (Cover date: April 2023) Pages 16-24  
Wei Perng, Izzuddin M. Aris, Dana Dabelea  
<https://www.sciencedirect.com/science/article/pii/S1047279723000327/pdfft?md5=2272b14147a784a3d68d20415d36b7ea&pid=1-s2.0-S1047279723000327-main.pdf>

33. Assessment and Prediction of Cardiovascular Contributions to Severe Maternal Morbidity  
JACC: Advances 22 March 2023 Volume 2, Issue 2 (Cover date: March 2023) Article 100275  
Aarti Thakkar, Afshan B. Hameed, Garima Sharma  
<https://www.sciencedirect.com/science/article/pii/S2772963X23000297/pdfft?md5=90cb3b4216aa117ba8fc0615c157bcc5&pid=1-s2.0-S2772963X23000297-main.pdf>

34. Postpartum cardiovascular function in patients with hypertensive disorders of pregnancy: a longitudinal study  
American Journal of Obstetrics and Gynecology Available online 17 March 2023 In press, corrected proof  
Veronica Giorgione, Asma Khalil, Basky Thilaganathan  
<https://www.sciencedirect.com/science/article/pii/S0002937823001667/pdfft?md5=b60ac567a17e6f3ca05c9e30480366f5&pid=1-s2.0-S0002937823001667-main.pdf>

35. IgG N-Glycosylation Cardiovascular Age Tracks Cardiovascular Risk Beyond Calendar Age  
Engineering Available online 2 January 2023 In press, corrected proof  
Zhiyuan Wu, Zheng Guo, Wei Wang  
<https://www.sciencedirect.com/science/article/pii/S2095809922008116/pdfft?md5=2d867eea349dea86db578ae3a8253191&pid=1-s2.0-S2095809922008116-main.pdf>

36. Negative findings but positive contributions in cardiovascular research  
Life Sciences Available online 16 March 2023 In press, journal pre-proof Article 121494  
Ken Chen, Chunyu Zeng  
<https://www.sciencedirect.com/science/article/pii/S0024320523001285/pdfft?md5=d76c992770233c92164e978bd5a67ebe&pid=1-s2.0-S0024320523001285-main.pdf>

37. Cardiovascular autonomic reflex tests using a handheld device in the diagnosis of cardiovascular autonomic neuropathy in patients with schizophrenia  
American Heart Journal Plus: Cardiology Research and Practice 16 January 2023 Volume 26 (Cover date: February 2023) Article 100252  
Laura Blok-Husum, Milka Ane Rank Brcelic, Christoffer Polcwiartek  
<https://www.sciencedirect.com/science/article/pii/S2666602223000046/pdfft?md5=d24c7f4765e3c318c7f7c4d8b2033462&pid=1-s2.0-S2666602223000046-main.pdf>

38. Glycometabolism reprogramming: Implications for cardiovascular diseases  
Progress in Biophysics and Molecular Biology 23 March 2023 Volume 179 (Cover date: May 2023) Pages 26-37  
Guolong Peng, Jialong Yan, Lanfang Li  
<https://www.sciencedirect.com/science/article/pii/S0079610723000287/pdfft?md5=ab50f334b723f42ac195759b9ad3222b&pid=1-s2.0-S0079610723000287-main.pdf>

39. Phase angle of bioimpedance as a marker of inflammation in cardiovascular diseases: a systematic review  
Nutrition Available online 28 April 2023 In press, journal pre-proof Article 112064  
Jamile Ceolin, Evandro Lucas de Borba, Luiz Carlos Bodanese  
<https://www.sciencedirect.com/science/article/pii/S0899900723000886/pdfft?md5=9553f2eaa33782154ba441f61a45abce&pid=1-s2.0-S0899900723000886-main.pdf>

40. Fitness attenuates long-term cardiovascular outcomes in women with ischemic heart disease and metabolic syndrome  
American Journal of Preventive Cardiology 23 April 2023 Volume 14 (Cover date: June 2023) Article 100498  
Odayme Quesada, Marie Lauzon, C. Noel Bairey Merz  
<https://www.sciencedirect.com/science/article/pii/S2666667723000399/pdfft?md5=de4885950cb46ab7207baf9bb9d3d44f&pid=1-s2.0-S2666667723000399-main.pdf>

41. Cardiovascular disease and risk assessment in people living with HIV: Current practices and novel perspectives  
Hellenic Journal of Cardiology Available online 14 January 2023 In press, corrected proof  
Paraskevi C. Fragkou, Charalampos D. Moschopoulos, Antonios Papadopoulos  
<https://www.sciencedirect.com/science/article/pii/S1109966622001877/pdfft?md5=d1e4cb0b2d10015f23fe00e862fda82f&pid=1-s2.0-S1109966622001877-main.pdf>

42. Cardioprotective effects of nanoparticles in cardiovascular diseases: A state of the art review.  
Current Problems in Cardiology Available online 24 March 2023 In press, journal pre-proof Article 101713  
Javed Iqbal, Ather Iqbal, Ka Yiu Lee  
<https://www.sciencedirect.com/science/article/pii/S0146280623001305/pdfft?md5=328bc4602122a8820e9819c0f3464e41&pid=1-s2.0-S0146280623001305-main.pdf>

43. Electrocardiogram interpretation during nurse triage improves the performance of the triage system in patients with cardiovascular symptoms – A prospective observational study  
International Emergency Nursing 14 March 2023 Volume 68 (Cover date: May 2023) Article 101273  
Arian Zaboli, Dietmar Ausserhofer, Gianni Turcato  
<https://www.sciencedirect.com/science/article/pii/S1755599X23000125/pdfft?md5=2760962b82d1ed8d39e5d57a30503aa9&pid=1-s2.0-S1755599X23000125-main.pdf>

44. Do cardiovascular disease comorbidities affect the cognitive function of Multiple Sclerosis patients?  
Journal of Clinical Neuroscience 7 April 2023 Volume 112 (Cover date: June 2023) Pages 20-24  
Vasileios Giannopapas, Konstantina Stavrogianni, Sotirios Giannopoulos  
<https://www.sciencedirect.com/science/article/pii/S0967586823000826/pdfft?md5=99d9aaea35f9943f21a9abd2f0a91c05&pid=1-s2.0-S0967586823000826-main.pdf>

45. Sex-based differences in risk of cardiovascular disease development and cardiovascular risk factors among individuals with hypertension: A cross-sectional study from primary care facilities  
Journal of Vascular Nursing Available online 29 April 2023 In press, corrected proof  
Jom Suwanno, Chennet Phonphet, Ladda Thiamwong  
<https://www.sciencedirect.com/science/article/pii/S1062030323000225/pdfft?md5=66e4d7960530fc1c92f243ab2cfba692&pid=1-s2.0-S1062030323000225-main.pdf>

Nguồn: Cục Thông tin khoa học và công nghệ quốc gia